

Laboratories for the 21st Century



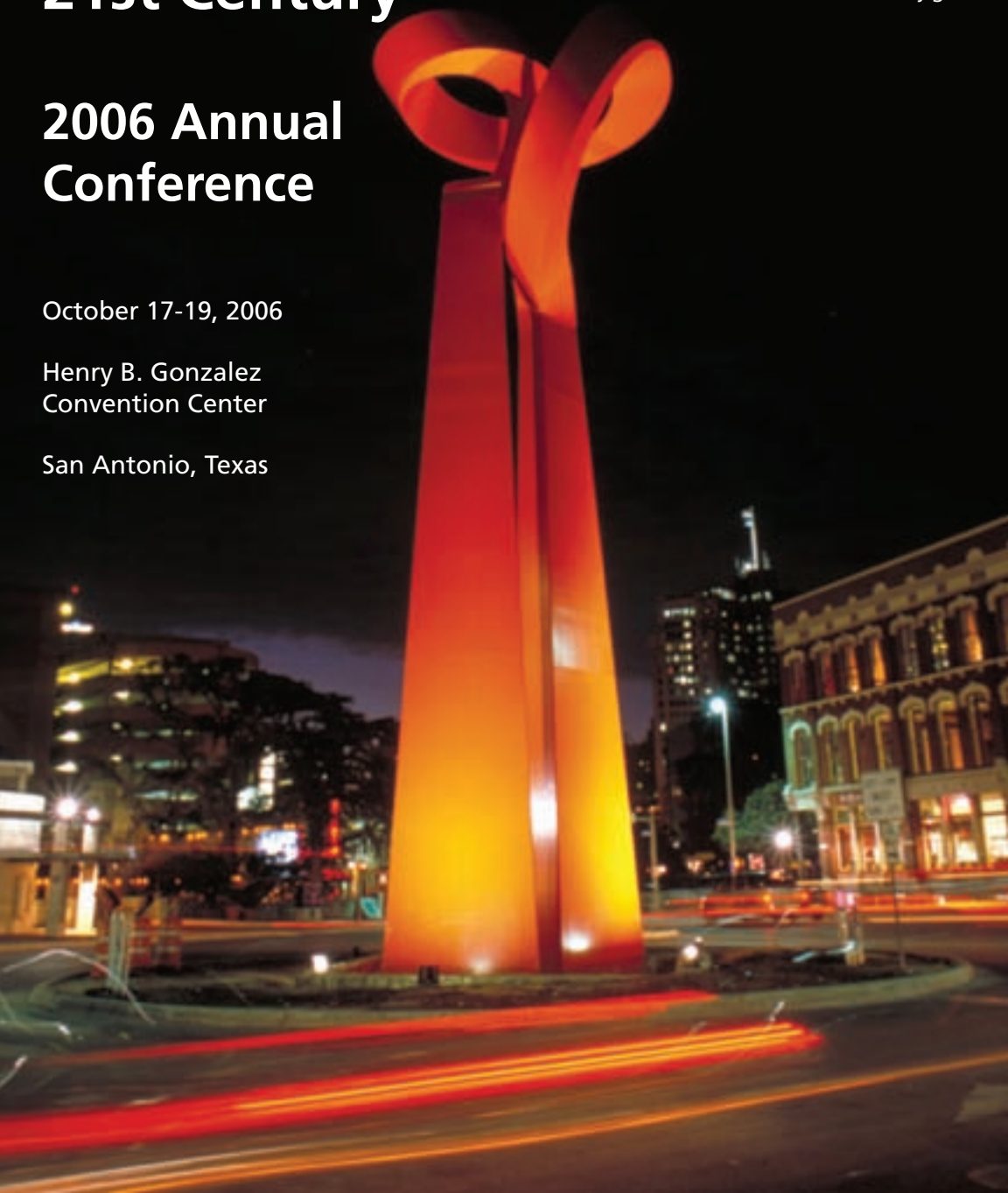
www.labs21century.gov

2006 Annual Conference

October 17-19, 2006

Henry B. Gonzalez
Convention Center

San Antonio, Texas



Conference Co-Sponsors:

U.S. Environmental Protection Agency
Office of Administration and Resources Management

U.S. Department of Energy
Office of Energy Efficiency and Renewable Energy

International Institute for Sustainable Laboratories (I²SL)



Today's laboratory designers and engineers face a new frontier as they must blend an ever-evolving technological frontier with advanced design, engineering, and operation of sustainable, high performance laboratories. These facilities are no longer built solely to improve research and production capabilities, but to seamlessly blend those challenges with the goals of user health and safety, research flexibility, and costs, while anticipating increased resource restraints.

This lure of a better future for the laboratory industry has resulted in a new generation of laboratory building professionals who are willing to be pioneers in this field. By taking into account the disparate environmental, economic, and social challenges needed to create more sustainable laboratories, these industry leaders are advancing not only scientific discovery, but also the well-being of the surrounding community.

Join us October 17-19, 2006, at the **Laboratories for the 21st Century (Labs21) 2006 Annual Conference** in San Antonio, Texas, as the world's leading laboratory designers, engineers, and managers gather to share their perspectives on emerging trends for high performance, low-energy laboratories. This year's conference will include:

- Dozens of technical sessions.
- A Technology and Services Fair showcasing innovative products and services.
- An evening tour at one of the nation's most advanced research laboratories.
- An evening reception—Texas-style—at a local ranch.
- Two keynote addresses by academic and sustainable building leaders.

Make plans now to come to the heart of Texas to experience San Antonio, a city linking a rich Southwestern culture with a vision for high technological and educational excellence. Reflective of this San Antonio spirit, the conference will explore the advancing knowledge and experiences of laboratory professionals, while looking ahead to the possibilities for the industry's future.

What Is Labs21?

Laboratories for the 21st Century (Labs21) is a voluntary partnership program designed to meet your needs as a laboratory designer, engineer, owner, or facility manager. The goal of Labs21 is to promote a more sustainable approach to the way laboratories are designed, engineered, and managed. Co-sponsored by the U.S. Environmental Protection Agency, U.S. Department of Energy, and the International Institute for Sustainable Laboratories (I²SL), Labs21 blends technical tools and resources, training opportunities, and a partnership program to offer laboratory professionals worldwide a unique opportunity for information exchange and education.



Schedule at a Glance

Monday, October 16: Pre-Conference Events

9:00 a.m.–5:00 p.m.	Labs21 Introductory Course: <i>High Performance, Low-Energy Design</i> Labs21 Advanced Course: <i>Laboratory Ventilation Design</i>
9:00 a.m.–noon	Labs21 Symposium: <i>High Performance Hospitals: Technical Challenges, Sustainable Solutions</i>
1:00–4:00 p.m.	Labs21 Workshop: <i>Managing Cross Contamination Risks—A Look at Building Designs and HVAC Systems</i>
6:00–8:00 p.m.	Grand Opening Reception: Technology and Services Fair and Poster Session Staffed

Tuesday, October 17

8:00 a.m.–5:00 p.m.	Technology and Services Fair and Poster Session Open
8:00–9:30 a.m.	Continental Breakfast and Poster Session Staffed
9:30–11:30 a.m.	Opening Plenary Session Featuring a Keynote Presentation by Juan Enriquez, Biotechnology
11:30 a.m.–1:30 p.m.	Lunch and Poster Session Staffed
1:30–5:00 p.m.	Conference Sessions
6:00 p.m.	Tour and Reception at the Southwest Foundation for Biomedical Research

Wednesday, October 18

7:30–8:45 a.m.	Breakfast Sessions
8:00 a.m.–5:00 p.m.	Technology and Services Fair and Poster Session Open
8:00–9:00 a.m.	Continental Breakfast and Poster Session Staffed
9:00 a.m.–5:00 p.m.	Conference Sessions
Noon–2:00 p.m.	Lunch and Poster Session Staffed
6:00 p.m.	Dinner Reception at the Knibbe Ranch

Thursday, October 19

7:30–8:45 a.m.	Breakfast Sessions
9:00 a.m.–noon	Conference Sessions
Noon–2:00 p.m.	Closing Plenary Luncheon Featuring a Keynote Presentation by Kevin Hydes, Chair, U.S. Green Building Council
2:00–5:00 p.m.	Labs21 Symposium: <i>Facility Preparedness—Containment and Efficiency in the Face of Crisis</i> Labs21 Workshop: <i>Environmental Performance Criteria</i> Laboratory Operations and Maintenance Workshop: <i>Small Steps, Big Results</i>
5:00 p.m.	Conference Ends

Conference Sessions

When faced with the demands of meeting regulatory compliance, building codes, and client specifications for a new or retrofit laboratory, the challenge of also incorporating sustainable features may seem daunting. You are not alone. Within the laboratory industry, other architects, engineers, and building managers have struggled with the same complex challenges. Yet some have been able to achieve sustainability in the midst of these conflicting pressures.



Join us as we bring together laboratory professionals who pursue and attain a balance of sustainability, compliance, and affordability who can shed light on this new industry frontier. By sharing their challenges, experiences, and successes, these presenters mark a trail, allowing you to walk away from the conference with a new set of resources, tools, lessons learned, and innovative ideas, which you can incorporate into your own high performance facilities.

Take part in these conference sessions, as we explore strategies for improving laboratory energy efficiency and environmental performance as they relate to industry hot topics such as:

- Sustainable hospitals
- Commissioning
- Sustainable architecture
- Laboratory mechanical, electrical, and plumbing systems
- Evaluating and managing laboratory performance
- Energy supply
- Specialty laboratories

Breakfast Sessions

Attendees hungry for additional opportunities to discuss current laboratory trends and industry “hot topics” can take advantage of the informal breakfast sessions offered in conjunction with the conference. Both presenters and participants are encouraged to share their ideas, as well as their experiences, on focused topics relating to the design, engineering, and management of sustainable laboratories.

Breakfast sessions will be announced soon!

Labs21 Poster Session

Network with industry leaders while examining their innovative, sustainable laboratory designs at the Labs21 Poster Session.

During this event, architects and engineers will showcase their latest projects, with special emphasis on sustainable features. Don't miss your opportunity to explore this year's display of intriguing design plans, groundbreaking analyses, and case studies.

The Poster Session will be open throughout the conference to browse through at your leisure. Presenters will also be on hand at designated times, including breakfasts and lunches (see below), to answer questions, providing an opportunity to interact one-on-one with industry professionals.

The Poster Session will be staffed during the following times:

Monday, October 16	6:00–8:00 p.m.
Tuesday, October 17	8:00–9:30 a.m. 11:30 a.m.–1:30 p.m.
Wednesday, October 18	8:00–9:00 a.m. Noon–2:00 p.m.

Roll Up Your Sleeves Roundtable

Are you designing a new high technology facility or retrofitting an existing one? Will the project still be in the early design phase in October? If so, submit your project for the second annual *Roll Up Your Sleeves* Roundtable!

Lay it all out on the table by taking part in this unique, informal session that gives you the opportunity to "roll up your sleeves" as various technical experts review your current laboratory design project. Each table will focus on a specific project, as conference attendees offer input and feedback, with the goal of solving specific design and engineering challenges.

If you are interested in sharing your project, please e-mail <labs21@erg.com> by Friday, September 1, for more details.



Keynote Speakers

I²SL is pleased to bring two leaders in their respective fields to share their wisdom and provide a vision of science and the future of advanced research facilities.



Juan Enriquez **Opening Plenary Keynote** **October 17, 2006**

Juan Enriquez—scholar, businessman, and best-selling author—is the world's preeminent authority on the economic and political impacts of the life sciences. As the founding director of Harvard Business School's Life Science Project, and founder, chairman, and CEO of Biotechnomy, a life sciences research and investment firm, Enriquez has an extensive

background in the economic, social, and political forces that affect change in today's world.

Enriquez is the author of several global bestsellers, including *As the Future Catches You: How Genomics & Other Forces are Changing Your Life, Work, Health & Wealth* (selected by Amazon's editors as one of the best business books of the year) and *The Untied States of America: Polarization, Fracturing, and Our Future*, which explores why some countries are successful while others disappear. In addition, Enriquez was part of the 2004 world discovery voyage, led by Craig Venter, who sequenced the human genome. The multi-stage sailing voyage sampled microbial genomes throughout the world's oceans and led to the discovery of thousands of new forms of life.

Enriquez serves on a variety of boards including the Harvard Medical School Genetics Advisory Council, the Visiting Committee of Harvard's David Rockefeller Center, Tufts University's EPIIC, Harvard Business School's PAPSAC, and the Institute for Genomic Research.



Kevin Hydes **Closing Plenary Keynote** **October 19, 2006**

With more than three decades of experience in the building services industry, Kevin Hydes is considered by many to be a leader in the field of sustainable design. Committed to improving building performance through green engineering and innovative design, he currently serves as Chair of the U.S. Green Building Council and sits on the board of the Canadian Green

Building Council. He is also President and CEO of Keen Engineering.

As an industry leader, Hydes highlights the importance of having buildings work with the environment. This idea led to the development of Keengreen, an environmental design division within Keen, created to work with clients to find innovative ways to design environmentally sensitive buildings.

Hydes has been on several advisory committees, including the City of Seattle Sustainable Regain Initiative, the U.S. Federal Department of Architectural Energy Conservation & Environmental Initiative, and he also served as a juror at the June 1996 and June 1998 Architecture + Energy Design Awards in Portland, Oregon.

Grand Opening Reception

Monday, October 16, 6:00–8:00 p.m.

To kick off the conference, the Technology and Services Fair will commence on Monday evening, with a Grand Opening Reception in Ballroom A of the Henry B. Gonzalez Convention Center. Along with exploring the cutting-edge technologies and services at the fair, get your first taste of San Antonio with festive mariachi music and delicious Tex-Mex treats. The Grand Opening Reception will also provide a great opportunity to meet up with old friends and colleagues and get an early look at this year's engaging Poster Session.

For information about sponsoring the Grand Opening Reception, contact I²SL at (703) 841-2194 or <labs21@i2sl.org>.

Current sponsors include:



ONE COMPANY
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SIEMENS

Save the Date!

Labs21 2007 Annual Conference
October 1-4, 2007
Charleston Area Convention Center
Charleston, South Carolina

Labs21 Technology and Services Fair

The Labs21 Technology and Services Fair provides exhibitors an opportunity to showcase a variety of innovative technologies and sustainable services for high performance facilities. This year's fair, sponsored by I²SL in partnership with the Scientific Equipment and Furniture Association (SEFA), is open to manufacturers of innovative equipment, as well as trade associations, energy service contractors, architecture/engineering firms, and independent energy consultants, among others.



Exhibitors include:

- Lab Crafters, Inc.
- Phoenix Controls Corporation
- Flow Safe, Inc.
- GCE Gas Control Equipment, Inc.
- Aircuity
- HEMCO Corporation
- J.E. Dunn Construction
- Miele
- Greenheck Fan Corporation
- Tek-Air Systems, Inc.
- RWDI Consulting Engineers
- New-Tech™, a division of Zeigler Enterprises, Inc.
- AirClean Systems
- Collegedale Casework, LLC
- TSI Incorporated
- CPP, Inc.
- Erlab, Inc.
- Smith Seckman Reid, Inc.
- SEMCO Incorporated
- Durcon Incorporated
- M&I Air
- Scientific Plastics
- nora® Rubber Flooring
- Engineering Economics, Inc.
- Kewaunee Scientific Corporation
- Eagle MHC
- Diversified Woodcrafts, Inc.
- The Whiting-Turner Contracting Company
- Air Control, Inc.
- TMI Systems Design Corporation
- Labconco Corporation
- Esco Biotech, Inc.
- TFI/Inline Design Corporation
- WaterSaver Faucet Company
- National Biosafety & Biocontainment Training Program
- Siemens Building Technologies
- Horizon Engineering Associates, LLP
- SSRC_x, LLC
- Flow Sciences, Inc.
- Controlled Environment Room Technical Services
- SCHOTT North America, Inc.

If you are interested in participating in the Technology and Services Fair, please contact I²SL at (703) 841-2194 or <labs21@i2sl.org> for an application form.

Please note that vendor participation in the Technology and Services Fair does not imply endorsement by EPA, DOE, or I²SL.



Optional Events

Labs21 Introductory Course: High Performance, Low-Energy Design Monday, October 16, 9:00 a.m.–5:00 p.m.

Come early to this year's conference to attend the Labs21 Introductory Course and learn how to design a high performance, low-energy laboratory! This full-day workshop introduces strategies for the design and construction of sustainable laboratories—both new and existing facilities.

Veteran laboratory designers, energy managers, and facility professionals will cover the fundamentals of designing high performance, low-energy laboratories, including:

- The architecture of high performance laboratories
- The energy-efficient design process
- Air supply and distribution systems
- Laboratory exhaust systems
- Commissioning
- Lighting
- Resources and tools
- Case studies

Although this is an introductory course, those familiar with sustainable laboratory design are also welcome to attend and contribute to the discussion.



Both the Introductory and Advanced Courses are worth six Professional Development Hours (PDHs) for professional engineers and six Continuing Education Credits (CECs) for architects registered with the American Institute of Architects. Course size is limited to encourage discussion and interaction, so register early!

Labs21 Advanced Course: Laboratory Ventilation Design Monday, October 16, 9:00 a.m.–5:00 p.m.



The Labs21 Advanced Course on Laboratory Ventilation Design is part of a series of advanced course modules on sustainable laboratory design and related topics based on the Labs21 Best Practice Guides. Laboratory ventilation systems are designed to provide a safe and comfortable working environment for occupants. But these high-airflow systems can require substantial operational costs and energy usage under routine conditions. This course will focus on reducing energy use by optimizing laboratory ventilation design, specifically by recognizing the individual building's unique aspects for safe operation.

The course will consist of two modules, described as follows:

Optimizing Laboratory Ventilation Rate

What is laboratory ventilation intended to achieve? Effective laboratory space ventilation is essential for safe laboratory operation. This module will discuss the design challenge of crafting a “balanced” laboratory ventilation system that both handles the “worst” scenario (possible) safely and manages “routine” scenarios (probable) efficiently, and review the steps for determining an effective laboratory ventilation rate with regard to worker safety and space conditioning.

Low-Pressure-Drop HVAC Design

The second workshop module will examine how low-pressure-drop HVAC system design strategies for laboratories will result in lower energy costs. A range of design experiences and practices to reduce airflow pressure drop will be reviewed and quantified. Performance examples and case studies of operating laboratories will be presented, showing how low-pressure-drop design is applied and the resulting energy savings.

While the course is open to everyone, it is recommended that participants have a basic understanding of laboratory ventilation and design issues, and have taken the Labs21 Introductory Course.

Pre- and Post-Conference Events

Come early or stay late at this year's conference to attend one or more of our pre- and post-conference events. From educational workshops to cutting-edge symposia, these expert-led sessions cover a variety of issues facing today's high performance facilities. More informal than conference sessions, these half-day sessions will immerse you in current issues with industry leaders and peers through a mix of formal presentations and facilitated discussions.



- **High-Performance Hospitals: Technical Challenges, Sustainable Solutions**
Monday, October 16, 2006, 9:00 a.m.–noon

Like our nation's laboratories, hospitals must deal with a range of safety concerns, systems controls, and operational flexibility while facing a complex energy supply environment. Join our panel of experts as they explore the technical challenges of high performance hospitals and offer suggestions for improving hospital sustainability without sacrificing performance.

- **Managing Cross Contamination Risk—A Look at Building Designs and HVAC Systems**
Monday, October 16, 2006, 1:00–4:00 p.m.

This workshop will explore how building design and HVAC systems can protect occupants in the event of the release of a chemical or biological agent. Attendees will examine existing and up-and-coming filtration technologies and HVAC systems and discuss performance-rating criteria to assess facility effectiveness.

- **Facility Preparedness—Containment and Efficiency in the Face of Crisis**
Thursday, October 19, 2006, 2:00–5:00 p.m.

In today's complex world, we have a heightened level of concern over outbreaks of localized infectious disease, pandemics, and biological and chemical terrorism. Preparing our nation's hospitals, clinics, and laboratories for a possible catastrophic event while meeting the goals of efficiency and environmental performance is the responsibility of all in the Labs21 community. This symposium will explore potential scenarios and consider the engineering and design strategies possible for planned facilities.

- **Labs21 Environmental Performance Criteria Workshop**
Thursday, October 19, 2006, 2:00–5:00 p.m.

Emerging at the forefront of laboratory assessment, the Labs21 Environmental Performance Criteria (EPC) workshop builds upon the strong foundations already set by the U.S. Green Building Council's LEED® rating system. Join this symposium to learn about EPC and how to assess the environmental performance of your facility.

- **Laboratory Operations and Maintenance Workshop: Small Steps, Big Results**

Thursday, October 19, 2006, 2:00–5:00 p.m.

Improving operations and maintenance has become one of the most cost-effective methods for ensuring reliability, safety, and energy efficiency in facilities. Laboratory professionals involved with facility maintenance, engineering, and employee health and safety are invited to register for this half-day workshop to learn the true relationship between how systems are operated and maintained and the overall safety and energy efficiency of a laboratory facility. Participants will also gain a better understanding of the “big picture” implications of their own actions, from fume hoods to building HVAC systems.

Bring Your Client to Labs21!

To facilitate a broader understanding of the significance of the Labs21 program and its relevance to projects and facilities, I²SL encourages the Labs21 community of planners, architects, engineers, lab equipment manufacturers, and others to invite their clients to this year's conference for FREE! The “client” should be a representative of an organization that is unfamiliar with Labs21. You and

your client, or your team, will be identified as part of the Opening Plenary session on Tuesday morning, October 17. I²SL will also help facilitate informal opportunities for your client or team to meet with members of the Labs21 technical team to discuss your project. If you are interested in this opportunity, please email <labs21@i2sl.org> for more information.



Evening Tour and Reception: Southwest Foundation for Biomedical Research Tuesday, October 17, 6:00 p.m.

At a conference full of intense discussion on innovative laboratory and scientific facilities, take the opportunity to see one—the Southwest Foundation for Biomedical Research (SFBR), one of the leading independent biomedical research institutions in the United States. Recognized within scientific and academic communities worldwide for its research, SFBR leads nearly 180 major research projects within the Foundation's departments of genetics, virology and immunology, physiology and medicine, organic chemistry, and comparative medicine.



I²SL is pleased to offer a tour of the 332-acre campus, which boasts a wide variety of laboratory environments including the nation's only privately owned biosafety level 4 (BSL-4) laboratory; the SBC Genomics Computing Center, the world's largest computer cluster devoted to statistical genetic analysis; and the Southwest National Primate Research Center, which houses the world's largest colony of baboons—over 4,000. Come enjoy a reception and tour some of these cutting-edge scientific facilities with SFBR designers, owners, and users, all while networking with your peers.



Dinner Reception at the Knibbe Ranch Wednesday, October 18, 6:00 p.m.

Saddle up partner! This year, I²SL will offer the unique opportunity to take a break from conference sessions to experience Texas-style fun and food under the stars at the Knibbe Ranch. Located on 12,000 square feet of a century old oak grove overlooking the Spring Branch Creek, the Knibbe Ranch offers plenty of opportunities to experience the native culture of San Antonio.



We encourage attendees to bring friends and family to enjoy the evening activities. Events will include hayride tours around the ranch with Mr. Knibbe himself, a photo-op with Oreo the Texas Longhorn, entertaining discussions of the Ranch's prehistoric archeology, a campfire, and gaming tables with poker chips and cards to play, of course, Texas Hold 'Em.

Attendees will also enjoy a full sit-down dinner with a menu that includes Texas-style brisket, grilled chicken, garlic mashers, potato salad, cole slaw, and a delicious peach cobbler, as well as an open bar with wine and beer. There will be ample chances to network with other attendees outside the typical conference settings. Full bus transportation will be provided from the San Antonio Marriott Rivercenter to the Ranch.

Five generations of the Knibbe family have managed the Ranch since it was founded more than 150 years ago. The land that the Ranch sits on has been in continuous agricultural operation by since 1854 and is now recognized as a Century Heritage ranch by the State of Texas.



About San Antonio

Rich with history and tradition, yet booming with cosmopolitan progress, the city of San Antonio, Texas, represents the perfect blend of the past, present, and future. Now the eighth largest city in the United States, San Antonio prides itself on its culture and diversity.

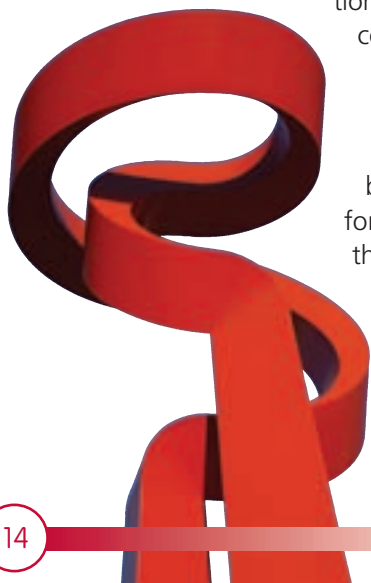
The city treats its visitors—more than 20 million each year—to a one-of-a-kind experience they won't soon forget. Whether touring the Mission San Antonio de Valero, site of the famous Battle of the Alamo; enjoying a tour of an 18th century mission; or taking advantage of the city's specialty shopping at Market Square, you can explore the city of San Antonio—where sounds and flavors of Native Americans, Old Mexico, Germans, the Wild West, and the Deep South merge.

The San Antonio River, which Native Americans once called “Yanaguana,” or “refreshing/clear waters,” is the lifeblood of the city that flows through the heart of downtown. Today, these picturesque waters offer visitors added opportunities for recreation and entertainment, including a unique river taxi system and a variety of river cruises. Located along the riverbank is the world-famous San Antonio River Walk that stretches two-and-a-half miles from the Henry B. Gonzalez Convention Center to the King William Historic District, offering quiet

cobblestone footpaths, as well as bustling cafes, shops, and hotels.

With so much to see and do, San Antonio truly offers something for everyone! Don't miss this opportunity to bring your family to San Antonio—either for the week or for a long weekend following the conference—to experience the spirit that truly is San Antonio.

For more information about visiting San Antonio, including details on public transportation, visit the San Antonio Convention & Visitors Bureau Web site at www.sanantoniocvb.com.





Henry B. Gonzalez Convention Center

200 E. Market Street
San Antonio, Texas 78205
Phone: (877) 504-8895
www.sanantonio.gov/convfac

The Labs21 2006 Annual Conference will take place at the Henry B. Gonzalez Convention Center, conveniently situated in historic downtown San Antonio. The convention center is just a short walk from world famous attractions such as the Alamo, River Walk, and Tower of the Americas.

This 1.3 million-square-foot, newly expanded facility hosts more than 300 events and 750,000 attendees from around the world every year. The conference center has more than 203,000 square feet of meeting space, plus four exhibit halls, three ballrooms, and seven registration areas. The convention center also features the Lila Cockrell Theatre, the complex's 2,521-seat Performing Arts Theatre.

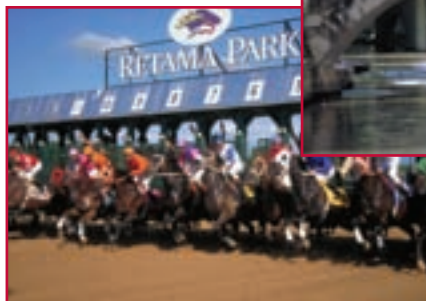


Hotel Accommodations

San Antonio Marriott Rivercenter
101 Bowie Street
San Antonio, Texas 78205
Phone: (210) 223-1000
www.marriott.com/satrc

Guest rooms will be held for conference attendees at the Marriott Rivercenter for the nights of October 15-19. The daily room rate is \$209.00 plus tax (currently 16.75 percent). To make a reservation, please call (800) 648-4462 or visit www.stayatmarriott.com/labs21. Be sure to mention "Labs21" when you make your reservation to ensure that you get the group rate. Reservations must be made by September 25, 2006. After this date, the hotel will release our room block and reservations will be accepted on a space and rate available basis only.

The Marriott Rivercenter is located adjacent to the Henry B. Gonzalez Convention Center and within walking distance of the River Walk, numerous restaurants and shops, as well as historical attractions such as the Alamo. Guests at the Marriott Rivercenter will be treated to beautiful rooms, quality amenities, and incredible views of downtown San Antonio.



Greening the Conference

Labs21 will continue its efforts to make the conference more sustainable by posting an agenda and speaker abstracts to the Labs21 Web site prior to the conference at <www.labs21century.gov>. In addition, although a final agenda will be distributed at the conference, speakers' presentations will not be available in hard copy to reduce paper use.

Additionally, Labs21 has purchased 60,000 kilowatt hours in the form of renewable energy certificates to offset the conference's energy consumption and support the generation of renewable energy at wind farms in Texas.



About the International Institute for Sustainable Laboratories (I²SL)

The U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy (DOE) announced in early 2006 that the International Institute for Sustainable Laboratories (I²SL) has been selected as the official co-sponsor for the Labs21 program and the Labs21 2006 Annual Conference.

I²SL was established in 2004 as a 501(c)(3) nonprofit organization with a mission to develop worldwide partnerships through Labs21 to educate and promote the exchange of technical information on sustainable laboratory design, engineering, and operational practices. This knowledge will be used to produce high performance facilities that address the rapid pace of science, medicine, research, and development in an ever-changing and dynamic world.

I²SL is building a network of technological capabilities through its co-sponsorship of Labs21 to address the global need for higher performance, low-energy laboratories and related facilities in the following areas:

- Infrastructure assessments
- Technical assistance
- Customized training and workshops
- Project charettes
- Case studies and best practices
- And much more!

By entering into this co-sponsorship agreement with I²SL, EPA and DOE will continue their commitment to and support of Labs21 as a federal program, and ensure the continuance of Labs21's mission to promote the achievement of high performance, low-energy laboratories and related facilities.

For more information about I²SL, visit <www.i2sl.org>.



I²SL Board members Kath Williams, Beth Shearer, and Phil Wirdzek.



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Registration

Completed registration forms and checks made payable to the International Institute for Sustainable Laboratories can be sent to:

Labs21 Conference
c/o International Institute for Sustainable Laboratories
P.O. Box 758
Annandale, VA 22003
Fax: (703) 425-1259

Each registrant will receive a confirmation via e-mail within two weeks of receipt of their registration and full payment.

Conference registration includes the following:

- Admission to the Opening and Closing Plenary sessions, each featuring a prominent keynote speaker; technical, poster, and breakfast sessions; and the Technology and Services Fair.
- The Grand Opening Reception.
- Continental breakfast, lunch, and morning and afternoon refreshments each day of the event.

Exciting New Features at This Year's Conference Include:

- A partnership with the Scientific Equipment and Furniture Association (SEFA) to bring a larger, more elaborate Technology and Services Fair (page 7)
- A variety of engaging symposia and workshops (pages 8-11)
- An expansion of Labs21 to include hospitals (page 10)
- A special opportunity to bring your client to the conference for free (page 11)
- Entertaining, informative, and relaxing evening events (pages 12-13)
- The new Labs21 co-sponsor, I²SL (page 18)

Registration Form



Visit our Web site at <www.labs21century.gov> to register online or complete the form below.

Name: _____

Title: _____ Occupation: _____

Organization: _____

Mailing Address: _____

Phone: _____ Fax: _____

E-mail: _____

☐ OPT-OUT: If you do not wish to have your contact information printed in our list of attendees (which is distributed to all who attend the conference) please check here.

Registration Fees:

☐ Early Registration: \$450 (on or before August 18) \$ _____

☐ Late Registration: \$550 (after August 18) \$ _____

☐ Labs21 Introductory Course: High Performance,
Low-Energy Design: \$150 \$ _____

☐ Labs21 Advanced Course: Laboratory Ventilation Design: \$175 \$ _____

☐ Southwest Foundation for Biomedical Research
(Tour and Reception): \$85 \$ _____

☐ Knibbe Ranch (Dinner Reception): \$100 \$ _____

☐ Technical Hospitals Symposium (Monday, October 16): \$75 \$ _____

☐ Cross Contamination Workshop (Monday, October 16): \$75 \$ _____

☐ Preparedness Symposium (Thursday, October 19): \$75 \$ _____

☐ EPC Workshop (Thursday, October 19): \$75 \$ _____

☐ O&M Workshop (Thursday, October 19): \$75 \$ _____

Total Registration Cost (fees plus events) \$ _____

Federal employees please note: you must pay for the optional evening events separately with a personal check or credit card. These events cannot be paid for with government funds.

☐ ADA services: if you have special needs and require auxiliary aids and/or services to fully participate in this conference, please check this box and you will be contacted.

☐ If you have special dietary requirements, please check this box and you will be contacted.

Payment Type: ☐ Visa ☐ MasterCard ☐ American Express ☐ Personal check (enclosed)

Name on Credit Card: _____

Credit Card Number: _____

Expiration Date: _____

Signature of Cardholder: _____

* Please note that your credit card statement will reflect the charge "International Institute for Sustainable Laboratories."



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